

**Flood Control Project Maintenance
Levee Inspections**

Fall 2016 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0012	Overall LMA Rating	Total LMA Miles						
Sacramento Maintenance Yard Willow Slough Bypass	A	12.51						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.02		0.02	0.16%	1.44			
Slope Stability	0.01		0.01	0.08%				
Erosion / Bank Caving	0.20		0.20	1.60%				
Cracking	0.02		0.02	0.16%			0.03	
Crown Surface / Depressions / Rutting	0.34		0.34	2.72%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.04			
<i>LMA Totals:</i>	0.59	0.00	0.59	4.72%	1.48	0.00	0.03	0.00
Unit No. 01 Willow Slough Bypass or North Levee LB	Overall Unit Rating	Total Unit Miles						
ST0012	A	5.05						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.01		0.01	0.20%	1.16			
Erosion / Bank Caving	0.07		0.07	1.39%				
Cracking	0.02		0.02	0.40%			0.01	
Crown Surface / Depressions / Rutting	0.03		0.03	0.59%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.13	0.00	0.13	2.57%	1.18	0.00	0.01	0.00
Unit No. 02 Willow Slough Bypass or South Levee RB	Overall Unit Rating	Total Unit Miles						
ST0012	A	7.46						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.01		0.01	0.13%	0.28			
Slope Stability	0.01		0.01	0.13%				
Erosion / Bank Caving	0.13		0.13	1.74%				
Cracking							0.02	
Crown Surface / Depressions / Rutting	0.31		0.31	4.16%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.02			
<i>Unit Totals:</i>	0.46	0.00	0.46	6.17%	0.30	0.00	0.02	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Willow Slough Bypass or North Levee			Left	5.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/2/2016 - 3/2/2016		10/11/2016 - 10/11/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By	Casey Lund		Casey Lund	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			°	
				°	
DWR ID	DWR_ST0012_01_s _ 2013_6				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has copies of their O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			°	
				°	
DWR ID	DWR_ST0012_01_s _ 2013_7				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has a stockpile of flood response material.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			°	
				°	
DWR ID	DWR_ST0012_01_s _ 2013_8				
Comment Code					
Inspector Comment					
Sacramento Maintenance Yard has a written flood response plan and flood fight training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	0.00	Rating **	M	Issue No.	20
LM End	0.00	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.599940 °	38.599940 °
				-121.753530 °	-121.753530 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:44951 DS_ID:17667 EP_NO: 15811 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No markers or other indication of pipe location. Needs to be marked. FIELD_STRUCT_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811. FS Date: 5/5/2015 8:40:19 AM					

No Photos

LM Start	0.90	Rating **	M	Issue No.	16
LM End	0.90	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.590456 °	38.590456 °
				-121.681952 °	-121.681952 °
DWR ID	DWR_ST0012_01_f_2015_16				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

Photo 1 of 3 : FA_2016_ST0012_295_16_20160913_00010.jpg



View of the dessication cracking on the landward side of the levee. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	0.90	Rating **	M	Issue No.	16 (cont)	
LM End	0.90	Issue Type +	Ob	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Cracking			38.590456 °	38.590456 °	
				-121.681952 °	-121.681952 °	
DWR ID	DWR_ST0012_01_f_2015_16					
Comment Code						
CR1 : Monitor and have inspected by geotechnical engineer.						
Inspector Comment						

Photo 2 of 3 : FA_2016_ST0012_295_16_20160913_00011.jpg



View of the crack on the landward side of the levee looking upstream. Spring 2016.

LM Start	0.90	Rating **	M	Issue No.	16 (cont)
LM End	0.90	Issue Type +	Ob	Location *	LS

Photo 3 of 3 : FA_2016_ST0012_295_16_20160913_00012.jpg



Perspective view of the crack looking downstream. Fall 2015.

LM Start	1.53	Rating **	M	Issue No.	14
LM End	2.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590334 °	38.590466 °
				-121.693618 °	-121.705849 °
DWR ID	DWR_ST0012_01_f_2016_14				
Comment Code					
FE : Fence					
Inspector Comment					
No record of a permit related to this fence found in levee log.					

Photo 1 of 1 : FA_2016_ST0012_295_14_20161011_00018.jpg



View of fence encroaching 10-foot easement on landward side of the levee. Fall 2016.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Sacramento Maintenance Yard Willow Slough Bypass

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
N/A : Not Applicable	N : Not Inspected/Rated	Ob : Design & System Obsolescence
WS : Water Side	M : Minimally Acceptable	En : Enforcement
CR : Crown	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

Sacramento Maintenance Yard Willow Slough Bypass

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.93	Rating **	M	Issue No.	10
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.590572 °	38.590653 °
				-121.719349 °	-121.720714 °
DWR ID	DWR_ST0012_01_s_2015_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Area is known to erode and may be because of the material of the levee.					

Photo 1 of 1 : FA_2016_ST0012_295_10_20160913_00002.jpg



View of the erosion on the landward side of the levee looking upstream.
Fall 2015.

LM Start	3.36	Rating **	M	Issue No.	13
LM End	3.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.590620 °	38.590620 °
				-121.727385 °	-121.727385 °
DWR ID	DWR_ST0012_01_s_2016_13				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_295_13_20160913_00006.jpg



View of the ruts created by vehicles on the crown of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.50	Rating **	M	Issue No.	3
LM End	3.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.590731 °	38.590731 °
				-121.729906 °	-121.729906 °
DWR ID	DWR_ST0012_01_f_2016_3				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_295_3_20161011_00015.jpg



Ruts on levee crown due to vehicular activity. Fall 2016.

LM Start	3.51	Rating **	C	Issue No.	17
LM End	3.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.590751 °	38.590751 °
				-121.730004 °	-121.730004 °
DWR ID	DWR_ST0012_01_s_2016_17				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	3.54	Rating **	M	Issue No.	18
LM End	3.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.590685 °	38.590685 °
				-121.730657 °	-121.730657 °
DWR ID	DWR_ST0012_01_s_2016_18				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_295_18_20160913_00014.jpg



View of the ruts caused by vehicles on the crown of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.90	Rating **	M	Issue No.	12
LM End	3.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.594149°	38.594149°
				-121.735254°	-121.735254°
DWR ID	DWR_ST0012_01_f_2015_12				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes.					

LM Start	3.90	Rating **	M	Issue No.	12 (cont)
LM End	3.90	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2016_ST0012_295_12_20160913_00004.jpg



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : FA_2016_ST0012_295_12_20160913_00005.jpg



View of the sinkholes on the landward side of the levee. Sinkholes are caused due to material of the levee and runoffs. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.94	Rating **	M	Issue No.	11
LM End	3.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.594645 °	38.594645 °
				-121.735712 °	-121.735712 °
DWR ID	DWR_ST0012_01_f_2015_11				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
The sinkholes are caused by the material of the levee and runoffs. These are not rodent holes.					

Photo 1 of 1 : FA_2016_ST0012_295_11_20160913_00003.jpg



View of the sinkholes on the landward side of the levee looking downstream. Fall 2015.

LM Start	4.12	Rating **	M	Issue No.	4
LM End	4.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.596784 °	38.599845 °
				-121.737662 °	-121.744830 °
DWR ID	DWR_ST0012_01_s_2012_4				
Comment Code					
DT : Ditch					
Inspector Comment					
Ditch is at the levee toe.					

Photo 1 of 1 : FA_2016_ST0012_295_4_20160913_00001.jpg



View of the ditch on the landward side of the levee looking downstream. Fall 2015.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.05	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	4.30	Rating **	M	Issue No.	19
LM End	4.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.598840 °	38.598840 °
				-121.739600 °	-121.739600 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:29303					
DS_ID:17684					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: PG&E may provide further info					
FIELD_STRUCT_DESC: 8-inch gas main pipeline through both levees.(PG&E).					
O&M manual 120, revision Dec 2010.					
FS Date: 5/28/2013 2:36:00 PM					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2016 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

Waterway			Bank	Unit Miles
Unit No. 02 Willow Slough Bypass or South Levee			Right	7.46
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/2/2016 - 3/2/2016		10/11/2016 - 10/11/2016	
DWR Inspector	Jai Lor		Oleg Yakimov	
Accompanied By			Casey Lund	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	0.07	Rating **	M	Issue No.	27
LM End	0.07	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.599100 °	38.599100 °
				-121.753260 °	-121.753260 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45283 DS_ID:17703 EP_NO: 15811 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to contact owner of pipe to place indicators on levee FIELD_STRUCT_DESC: Replace existing 4-inch diameter natural gas pipeline with an 8-inch diameter natural gas pipeline under the channel and within both banks of Willow Slough. Application No. 15811. FS Date: 5/14/2015 1:35:47 PM					

No Photos

LM Start	0.29	Rating **	M	Issue No.	7
LM End	0.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.598993 °	38.599045 °
				-121.749130 °	-121.747107 °
DWR ID	DWR_ST0012_02_s_2014_7				
Comment Code					
DT : Ditch					
Inspector Comment					
The ditch is located at the levee toe.					

Photo 1 of 2 : FA_2016_ST0012_296_7_20161011_00029.jpg



An updated view of the ditch near LM 0.29. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	0.29	Rating **	M	Issue No.	7 (cont)	
LM End	0.40	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.598993 °	38.599045 °	
				-121.749130 °	-121.747107 °	
DWR ID	DWR_ST0012_02_s_2014_7					
Comment Code						
DT : Ditch						
Inspector Comment						
The ditch is located at the levee toe.						

Photo 2 of 2 : FA_2016_ST0012_296_7_20160913_00004.jpg



View of the ditch on the landward side of the levee looking downstream. Spring 2016.

LM Start	0.40	Rating **	M	Issue No.	26
LM End	0.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599045 °	38.599033 °
				-121.747108 °	-121.744180 °
DWR ID	DWR_ST0012_02_f_2016_26				
Comment Code					
AT : Agricultural tilling					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_26_20161011_00030.jpg



View of a tilling issue at LS levee toe near LM 0.40 where ditch ends. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Sacramento Maintenance Yard Willow Slough Bypass

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	1.61	Rating **	C	Issue No.	12
LM End	1.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.589910 °	38.589910 °
				-121.730042 °	-121.730042 °
DWR ID	DWR_ST0012_02_s _ 2016_12				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	1.77	Rating **	M	Issue No.	8
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589966 °	38.589966 °
				-121.727072 °	-121.727072 °
DWR ID	DWR_ST0012_02_s_2012_8				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_8_20160913_00005.jpg



View of the erosion on the edge of the channel looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.04	Rating **	M	Issue No.	5
LM End	2.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589906 °	38.589906 °
				-121.722218 °	-121.722218 °
DWR ID	DWR_ST0012_02_s_2012_5				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 2 : FA_2016_ST0012_296_5_20160913_00001.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

LM Start	2.04	Rating **	M	Issue No.	5 (cont)
LM End	2.04	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2016_ST0012_296_5_20160913_00002.jpg



View of the erosion on the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.25	Rating **	M	Issue No.	19
LM End	2.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589845 °	38.589845 °
				-121.718292 °	-121.718292 °
DWR ID	DWR_ST0012_02_f_2015_19				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion creeping onto toe road.					

LM Start	2.25	Rating **	M	Issue No.	19 (cont)
LM End	2.25	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : FA_2016_ST0012_296_19_20160913_00018.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : FA_2016_ST0012_296_19_20160913_00019.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Sacramento Maintenance Yard Willow Slough Bypass

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	2.97	Rating **	M	Issue No.	9
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589686 °	38.589686 °
				-121.705041 °	-121.705041 °
DWR ID	DWR_ST0012_02_f_2014_9				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

LM Start	2.97	Rating **	M	Issue No.	9 (cont)
LM End	2.97	Issue Type +	Ma	Location *	WS

LM Start	2.97	Rating **	M	Issue No.	9 (cont)
LM End	2.97	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2016_ST0012_296_9_20161011_00041.jpg



An updated view of erosion site on waterward side of the levee that keeps on growing. Fall 2016.

Photo 2 of 3 : FA_2016_ST0012_296_9_20160913_00006.jpg



Erosion on toe road. Fall 2014.

Photo 3 of 3 : FA_2016_ST0012_296_9_20160913_00007.jpg



View of the erosion on the waterward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspection Report By Mile - Fall 2016

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

Photo 1 of 1 : FA_2016_ST0012_296_3_20161011_00040.jpg



Owner installed a sign that displays house number on LS slope of the levee. Fall 2016.

Photo 1 of 1 : FA_2016_ST0012_296_16_20160913_00016.jpg



03/02/2016

View of the slope stability on the shoulder of the levee looking downstream. Spring 2016.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	3.88	Rating **	M	Issue No.	4
LM End	3.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589519 °	38.589519 °
				-121.688135 °	-121.688135 °
DWR ID	DWR_ST0012_02_f_2016_4				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_4_20161011_00039.jpg



View of erosion site on waterward side of the levee. Fall 2016.

LM Start	3.95	Rating **	M	Issue No.	18
LM End	3.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589508 °	38.589508 °
				-121.686850 °	-121.686850 °
DWR ID	DWR_ST0012_02_s_2016_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_18_20160913_00017.jpg



View of the erosion on the waterward side looking downstream. Spring 2016.

LM Start	4.18	Rating **	M	Issue No.	14
LM End	4.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.589516 °	38.589516 °
				-121.682585 °	-121.682585 °
DWR ID	DWR_ST0012_02_f_2016_14				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_14_20161011_00038.jpg



Garbage on landside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	4.29	Rating **	M	Issue No.	11
LM End	4.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589550 °	38.589550 °
				-121.680632 °	-121.680632 °
DWR ID	DWR_ST0012_02_f_2014_11				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

LM Start	4.29	Rating **	M	Issue No.	11 (cont)
LM End	4.29	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : FA_2016_ST0012_296_11_20161011_00037.jpg



An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

Photo 2 of 3 : FA_2016_ST0012_296_11_20161011_00035.jpg



Perspective view of the site. Fall 2016.

LM Start	4.29	Rating **	M	Issue No.	11 (cont)
LM End	4.29	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2016_ST0012_296_11_20160913_00010.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	4.59	Rating **	M	Issue No.	28
LM End	4.59	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.589575 °	38.589575 °
				-121.674950 °	-121.674950 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45285 DS_ID:546 EP_NO: 10319 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Material removed from inlet last fall. Outlet cleared FIELD_STRUCT_DESC: 24-inch CM drainpipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. (A.B.O. No. 10319 - Bell). O&M manual 120, revision Dec 2010. FS Date: 5/14/2015 1:36:11 PM					

Photo 1 of 2 : UCIP_FA_2016_45285_22809.jpg



Waterside view- pipe and flap gate.

LM Start	4.59	Rating **	M	Issue No.	28 (cont)
LM End	4.59	Issue Type +	En	Location *	WS

Photo 2 of 2 : UCIP_FA_2016_45285_22811.jpg



Landside view- pipe and headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	5.02	Rating **	C	Issue No.	13
LM End	5.02	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.589572 °	38.589572 °
				-121.667143 °	-121.667143 °
DWR ID	DWR_ST0012_02_s _ 2015_13				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

No Photos

LM Start	5.05	Rating **	M	Issue No.	15
LM End	5.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589570 °	38.589570 °
				-121.666588 °	-121.666588 °
DWR ID	DWR_ST0012_02_s _ 2015_15				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 3 : FA_2016_ST0012_296_15_20161011_00034.jpg



An updated view of the erosion site that keeps on growing toward WS levee slope. Fall 2016.

LM Start	5.05	Rating **	M	Issue No.	15 (cont)
LM End	5.05	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : FA_2016_ST0012_296_15_20160913_00014.jpg



View of the erosion on the edge of the channel on the waterward side of the levee. Spring 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	5.05	Rating **	M	Issue No.	15 (cont)	
LM End	5.05	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.589570 °		38.589570 °
				-121.666588 °		-121.666588 °
DWR ID	DWR_ST0012_02_s_2015_15					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						

Photo 3 of 3 : FA_2016_ST0012_296_15_20160913_00015.jpg



View of the erosion at the edge of the channel on the waterward side of the levee looking downstream. Fall 2015.

LM Start	5.09	Rating **	M	Issue No.	17
LM End	5.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.589565 °	38.589565 °
				-121.665731 °	-121.665731 °
DWR ID	DWR_ST0012_02_f_2016_17				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2016_ST0012_296_17_20161011_00033.jpg



View of a site that may become a larger erosion site in the future. Waterward side of the levee looking downstream. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	5.72	Rating **	M	Issue No.	22
LM End	5.72	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.589499 °	38.589499 °
				-121.654098 °	-121.654098 °
DWR ID	DWR_ST0012_02_f_2015_22				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

LM Start	5.72	Rating **	M	Issue No.	22 (cont)
LM End	5.72	Issue Type +	Ob	Location *	LS

Photo 1 of 2 : FA_2016_ST0012_296_22_20160913_00021.jpg



View of the dessication cracking on the landward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : FA_2016_ST0012_296_22_20160913_00022.jpg



View of the dessication crack on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	6.16	Rating **	M	Issue No.	24
LM End	6.16	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.587826 °	38.587826 °
				-121.647364 °	-121.647364 °
DWR ID	DWR_ST0012_02_f_2015_24				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					

LM Start	6.16	Rating **	M	Issue No.	24 (cont)
LM End	6.16	Issue Type +	Ob	Location *	WS

Photo 1 of 2 : FA_2016_ST0012_296_24_20160913_00023.jpg



View of the dessication cracking on the waterward side of the levee looking downstream. Fall 2015.

Photo 2 of 2 : FA_2016_ST0012_296_24_20160913_00024.jpg



View of the dessication cracks on the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2016

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.46	10/11/2016 10/11/2016	Oleg Yakimov

LM Start	7.15	Rating **	M	Issue No.	25
LM End	7.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.574860 °	38.574293 °
				-121.644047 °	-121.638713 °
DWR ID	DWR_ST0012_02_s _ 2016_25				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
Crown needs to be regraded.					

Photo 1 of 1 : FA_2016_ST0012_296_25_20160913_00025.jpg



View of the crown of the levee looking downstream. Road needs to be regraded. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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